

Remarks

Claims 1, 23, and 42-49 are now pending in the application. Claims 1 and 45 stand rejected. Claims 23 and 42-44 are objected to as being dependent on a rejected base claim.

The Applicants respectfully point out that claim 42 is an independent claim, which claim does not stand rejected. Further, claims 43 and 44 depend directly and indirectly, respectively, on independent claim 42. Therefore, the Applicants respectfully request that the Examiner withdraw the objections to claims 42-44 as dependent upon a rejected base claim.

Claims 1 and 45 have been amended. In both claims each instance of R in the Markush group defining R₅ has been replaced with R". Because in claims 1 and 45 as originally filed each occurrence of R was explicitly recited as being independently selected for each occurrence from the Markush group defining R, no new matter has been added. In other words, replacing R with R" in the Markush group defining R⁵ only more explicitly separates definitions that were originally explicitly separated in a less clear way. A further amendment to claim 1 (i.e., removal of H from the Markush group defining R) is discussed below. Importantly, the claim amendments should not be construed to be an acquiescence to any of the claim rejections. Rather, these amendments are being made solely to more explicitly claim aspects of the instant invention and to expedite the prosecution of the above-identified application.

New claims 46 and 47 depend on claim 45. Support for the new claims can be found in claim 45, as they only limit the Markush groups defining R₂ and R₅.

New claims 48 and 49 depend on claim 1. Support for the new claims can be found in claim 1, as they only limit the Markush groups defining R and R₅.

The Applicants expressly reserve the right to further prosecute the same or similar claims in subsequent patent applications claiming the benefit of priority to the instant application. 35 USC § 120.

Response to Rejections Based on 35 U.S.C. § 102(b)

Claims 1 and 45 are rejected as being anticipated by Danilov *et al.* (*Zhurnai Obshchei Khimii* **1975**, 45, 2265) or Stevens *et al.* (*Carbohydr. Res.* **1969**, 11, 93). The Examiner asserts that Danilov disclose glucose 1-phosphate (page 2265, structure X) and Stevens discloses glucose 1-phosphate (page 95, structure 7). The Applicants respectfully traverse.

In order to expedite prosecution, the Applicants have amended claim 1 to remove "H" from the Markush group defining "R". Therefore, glucose 1-phosphate does not fall within the scope of claim of amended claim 1. Accordingly, the Applicants respectfully request the withdrawal of the rejection of claim 1 based under 35 USC § 102(b) based on Danilov and Stevens.

In addition, since Claim 45, as previously presented, defines "R" to be "aryl", glucose 1-phosphate does not fall within the scope of this claim. Therefore, the Applicants respectfully request the withdrawal of the rejection of claim 45 based on 35 USC § 102(b).

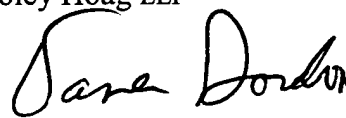
Fees

The Applicants believe there are no required fees in connection with the filing of this paper. Nevertheless, the Director is hereby authorized to charge any required fee to our Deposit Account, **06-1448**, Reference **MTV-018.02**.

Conclusion

In view of the above amendments and remarks, the Applicants believe that the pending claims are in condition for allowance. If a telephone conversation with Applicants' Attorney would expedite prosecution of the application, the Examiner is urged to contact the undersigned.

Respectfully submitted,
Patent Group
Foley Hoag LLP

By: 
Dana M. Gordon, PhD
Reg. No. 44,719
Attorney for Applicants

Foley Hoag LLP
155 Seaport Boulevard
Boston, MA 02210

Telephone: (617) 832-1000
Telecopier: (617) 832-7000

Date: March 27, 2006